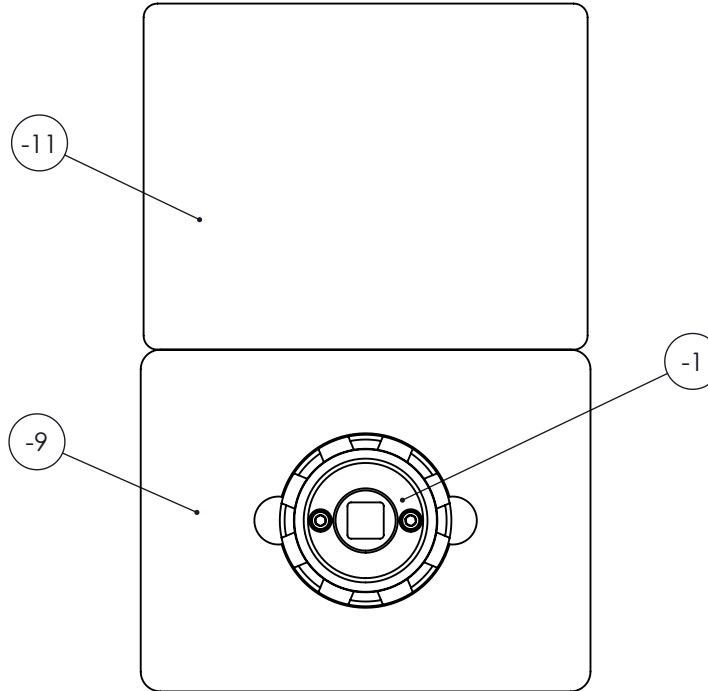


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	8/25/2016	DPD	JAG



NOTE:  
REF. AIRBUS T/N: M259V3000102.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	WRENCH ASSEMBLY			2
	1		-3		SOCKET	4140/4142		3
	1		-5		SUPPORT	WHITE DELRIN/ACETAL		4
	2	B/O	-7		SOCKET HEAD CAP SCREW	S.S.	M6 X 1mm X 55mm (MCMASTER-CARR #91292A410)	2
		B/O	-9	1	BOTTOM FOAM	ETHAFOAM 220, BLACK	4.97 X 7.12 X 9.28 (CASE SOLUTIONS)	5
		B/O	-11	1	TOPOAM	ETHAFOAM 220, BLACK	1.20 X 7.21 X 9.31 (CASE SOLUTIONS)	6
		B/O	-13	1	CASE	PLASTIC	PELICAN #APP-1300-E	N/S
		B/O		1	DART PLACARD	ALUMINUM	RB41011	N/S
	ASSY -1							

**DART**  
AEROSPACE

TITLE  
**RESCUE HOIST NUT WRENCH**

DWG NO.  
**RBEM259V3000102**

REV  
**1**

MAT'L  
HEAT TREAT  
FINISH  
SPEC

DRAWN BY: **DUERFELDT**  
CHECKED: **MACKOVJAK**  
OPPS APPR: **ANDERSON**  
QA APPR: **LINDSAY**  
APPROVED: **GILBERT**

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
.XXX ± .005 FRACTIONS ± 1/8  
.XX ± .01 ANGLES ± 5°  
.X ± .1 SURFACES = 125°  
1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R  
2. DIMENSIONAL LIMITS APPLY  
AFTER PLATING  
3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009

USED ON MODEL  
**H175**

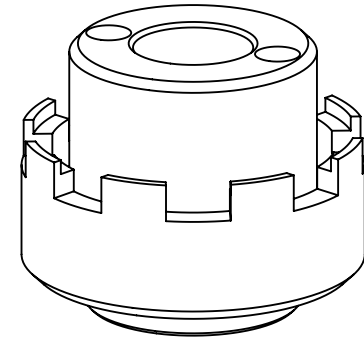
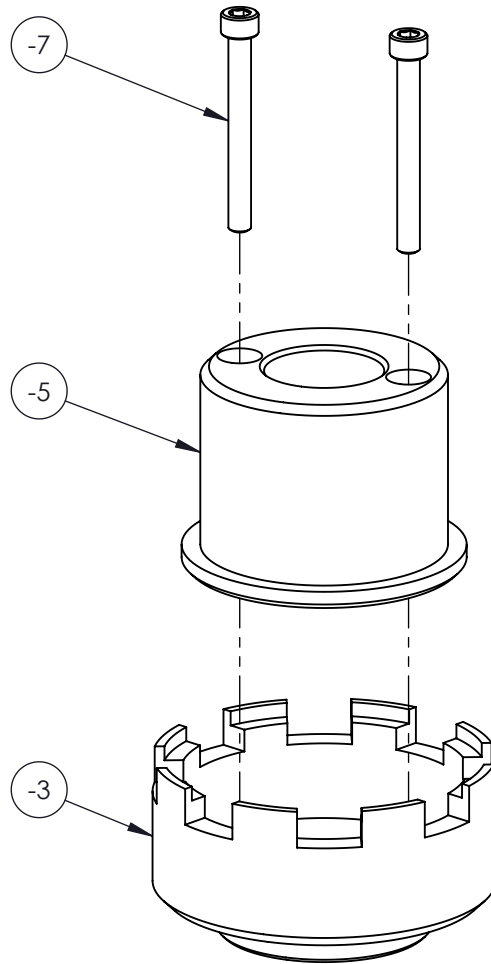
SCALE  
**1:4**

DATE  
**4/21/2016**

SHEET 1 OF 6

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



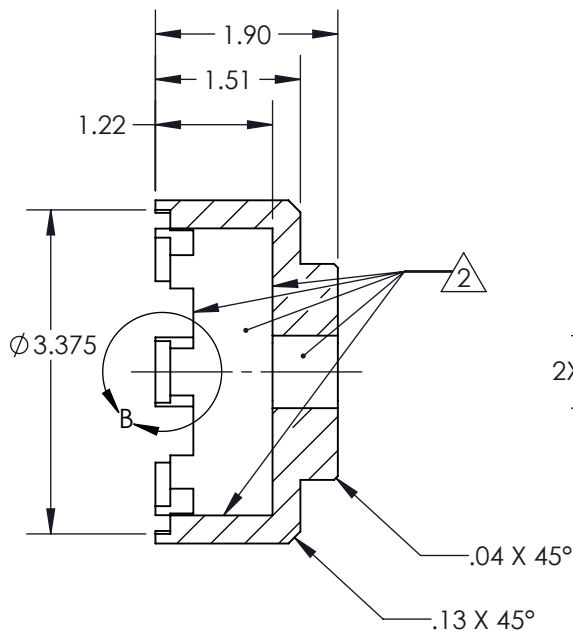
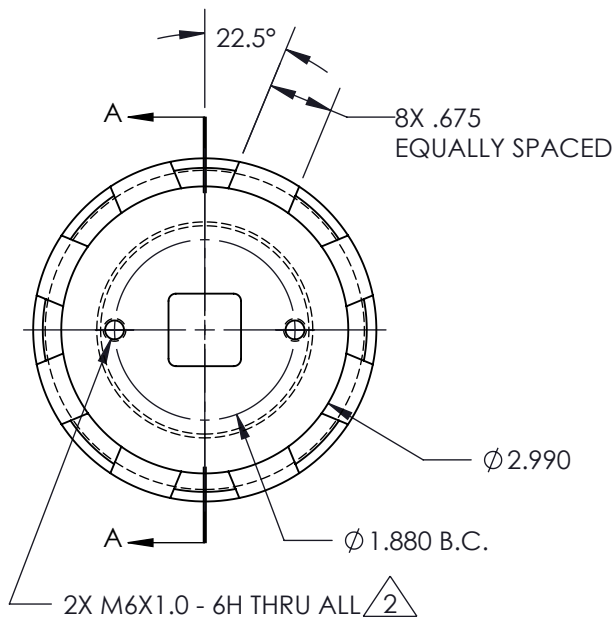
-1

WRENCH ASSEMBLY

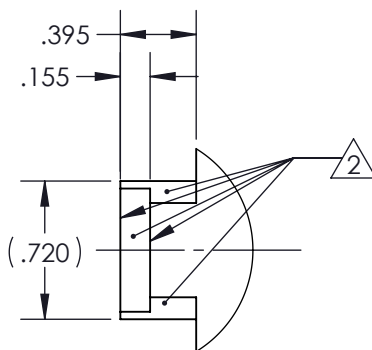
<b>DART AEROSPACE</b>	
TITLE <b>RESCUE HOIST NUT WRENCH</b>	
DWG NO. <b>RBEM259V3000102-1</b>	REV <b>1</b>
MAT'L HEAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: <b>DUERFELDT</b>	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: <b>MACKOVJAK</b>	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: <b>ANDERSON</b>	
QA APPR: <b>LINDSAY</b>	USED ON MODEL
APPROVED: <b>GILBERT</b>	<b>H175</b>
SCALE <b>1:2</b>	DATE <b>4/21/2016</b>
SHEET 2 OF 6	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

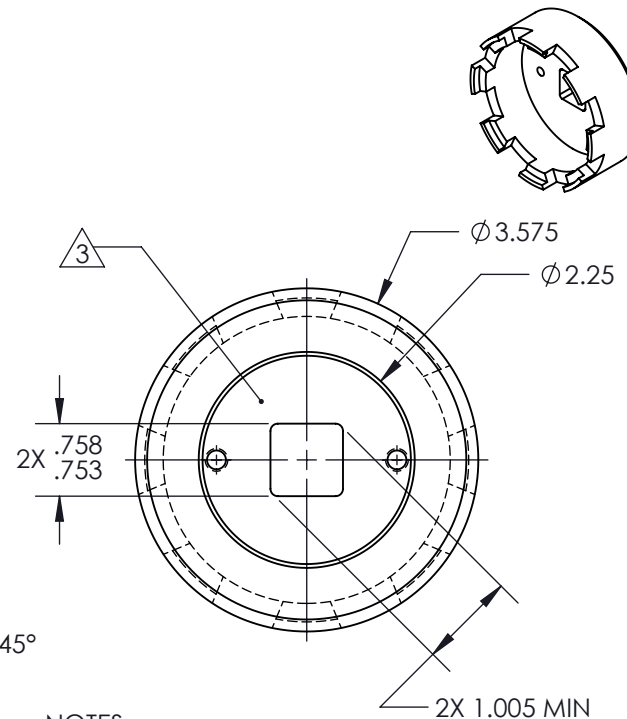


SECTION A-A



DETAIL B  
SCALE 1 : 1  
8 PLACES

(-3)  
SOCKET



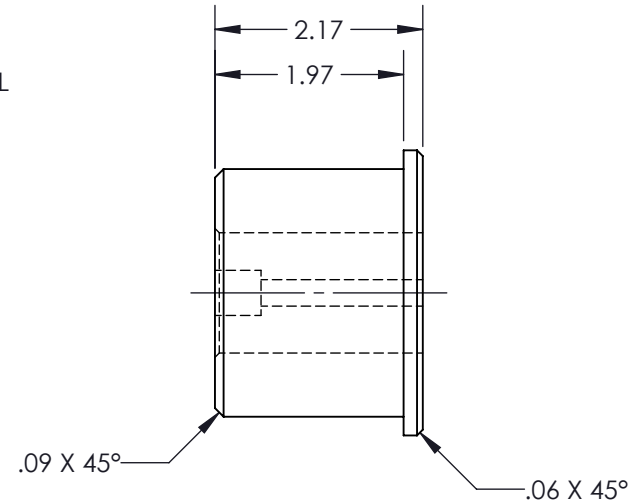
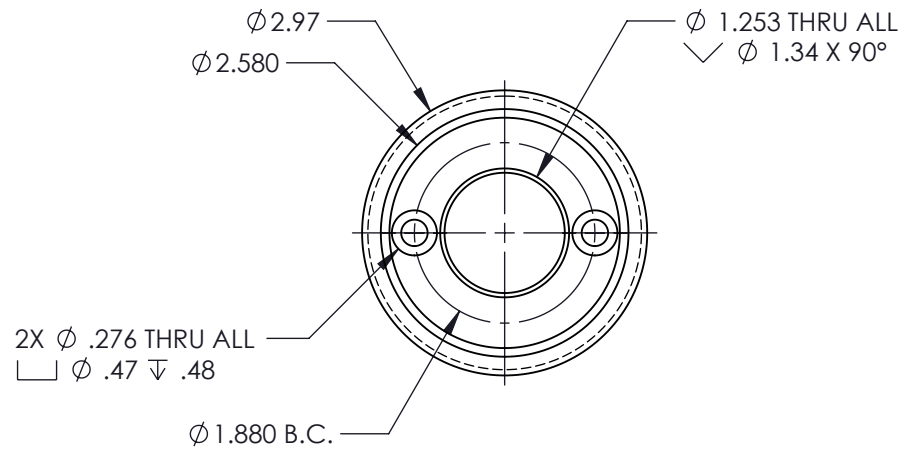
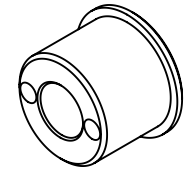
NOTES:

- DUAL FINISH:  
1ST: ZINC PLATE, ASTM B633 TYPE II SC2.  
2ND: POWDER COAT YELLOW, FED #13538.
- $\triangle 2$  NO POWDER COAT THIS SURFACE.
- $\triangle 3$  LASER ENGRAVE T/N, S/N, "MADE IN USA" AFTER POWDER COAT.

<b>DART AEROSPACE</b>	
TITLE <b>RESCUE HOIST NUT WRENCH</b>	
DWG NO. <b>RBEM259V3000102-3</b>	REV <b>1</b>
MAT'L 4140/4142 HEAT RC 28-34 TREAT FINISH SEE NOTE 1 SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT CHECKED: MACKOVJAK OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
USED ON MODEL <b>H175</b>	
SCALE 1:2	DATE 4/21/2016
SHEET 3 OF 6	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

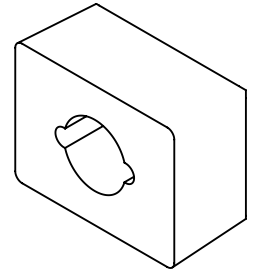
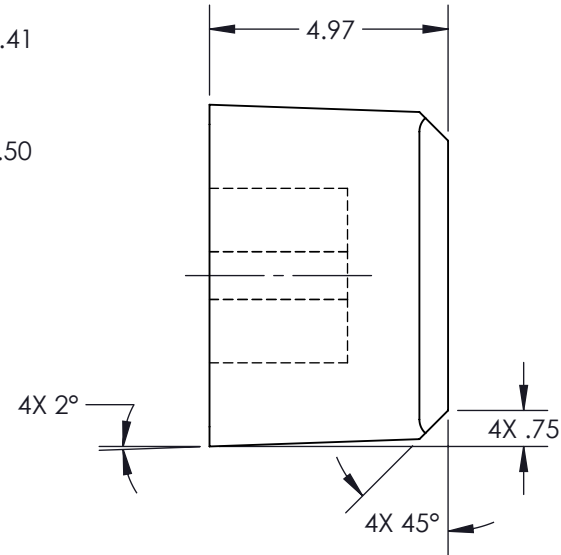
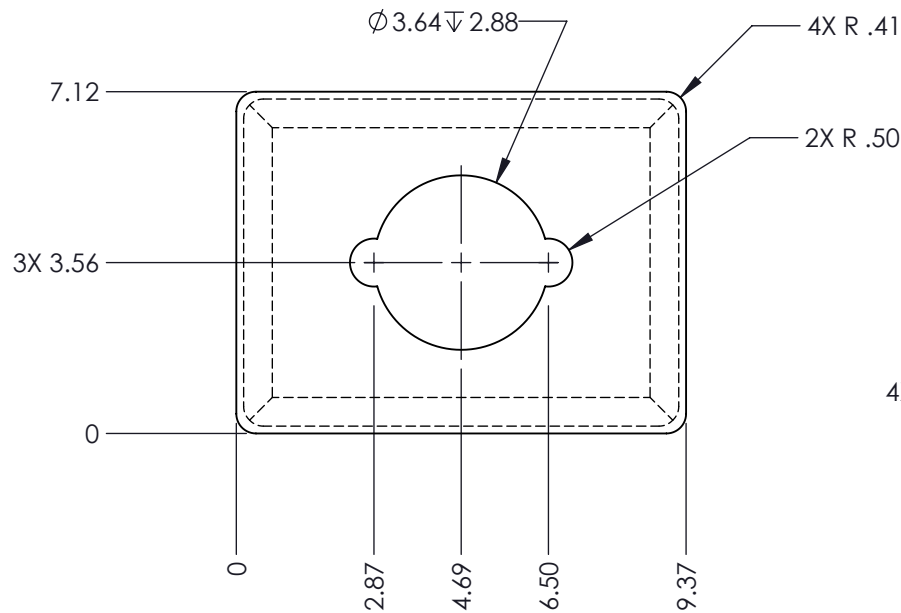


(-5)  
SUPPORT

<b>DART</b> AEROSPACE	
TITLE <b>RESCUE HOIST NUT WRENCH</b>	
DWG NO. <b>RBEM259V3000102-5</b>	REV <b>1</b>
MAT'L WHITE DELRIN/ACETAL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
SPEC	.XX $\pm$ .01 ANGLES $\pm$ .5°
	.X $\pm$ .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED: GILBERT	USED ON MODEL
SCALE 1:2	H175
DATE 4/21/2016	SHEET 4 OF 6

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

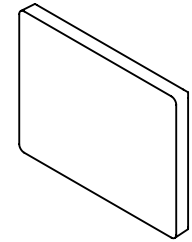
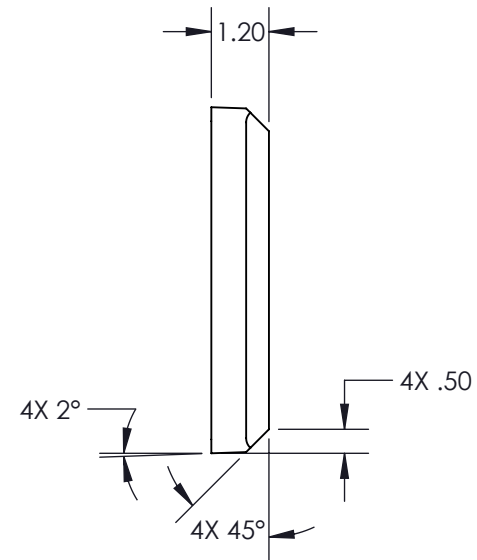
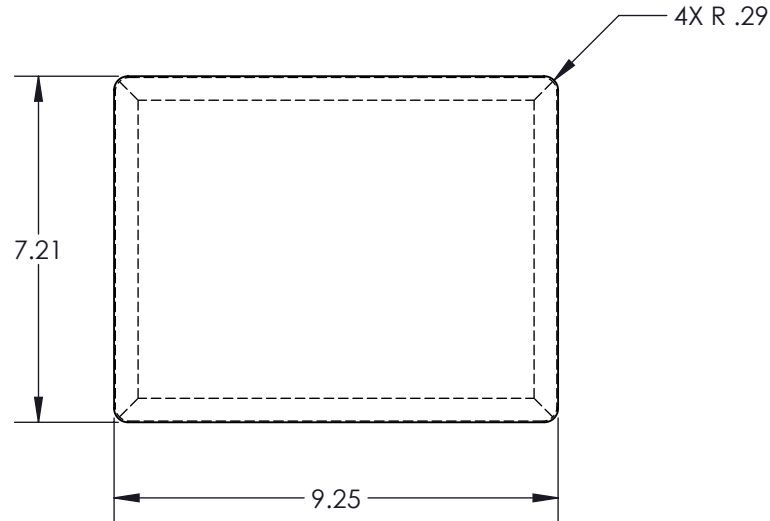


(-9)  
BOTTOM FOAM

<b>DART</b> AEROSPACE	
TITLE RESCUE HOIST NUT WRENCH	
DWG NO. RBEM259V3000102-9	REV 1
MAT'L ETHAFOAM 220, BLACK	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:4	DATE 4/21/2016
SHEET 5 OF 6	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



(-11)

TOPOAM

<b>DART</b> AEROSPACE	
TITLE <b>RESCUE HOIST NUT WRENCH</b>	
DWG NO. <b>RBEM259V3000102-11</b>	REV <b>1</b>
MAT'L <b>ETHAFOAM 220, BLACK</b>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT <b>TREAT</b>	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: <b>DUERFELDT</b>	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: <b>MACKOVJAK</b>	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: <b>ANDERSON</b>	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: <b>LINDSAY</b>	USED ON MODEL
APPROVED: <b>GILBERT</b>	<b>H175</b>
SCALE <b>1:4</b>	DATE <b>4/21/2016</b>
SHEET 6 OF 6	